

(2) Upon startup for a new glass-melting furnace, rotary spin manufacturing line, or flame attenuation manufacturing line.

(b) *Compliance extension.* The owner or operator of an existing source subject to this subpart may request from the Administrator an extension of the compliance date for the emission standards for one additional year if such additional period is necessary for the installation of controls. The owner or operator shall submit a request for an extension according to the procedures in § 63.6(i)(3) of this part.

§ 63.1388 Implementation and enforcement.

(a) This subpart can be implemented and enforced by the U.S. EPA, or a delegated authority such as the applicable State, local, or Tribal agency. If the U.S. EPA Administrator has delegated authority to a State, local, or Tribal agency, then that agency, in addition to the U.S. EPA, has the authority to implement and enforce this subpart. Contact the applicable U.S. EPA Regional Office to find out if implementation and enforcement of this subpart is

delegated to a State, local, or Tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or Tribal agency under subpart E of this part, the authorities contained in paragraph (c) of this section are retained by the Administrator of U.S. EPA and cannot be transferred to the State, local, or Tribal agency.

(c) The authorities that cannot be delegated to State, local, or Tribal agencies are as specified in paragraphs (c)(1) through (4) of this section.

(1) Approval of alternatives to the requirements in §§ 63.1380, 63., and 63.1387.

(2) Approval of major alternatives to test methods under § 63.7(e)(2)(ii) and (f), as defined in § 63.90, and as required in this subpart.

(3) Approval of major alternatives to monitoring under § 63.8(f), as defined in § 63.90, and as required in this subpart.

(4) Approval of major alternatives to recordkeeping and reporting under § 63.10(f), as defined in § 63.90, and as required in this subpart.

[68 FR 37358, June 23, 2003]

§§ 63.1389–63.1399 [Reserved]

TABLE 1 TO SUBPART NNN OF PART 63—APPLICABILITY OF GENERAL PROVISIONS (40 CFR PART 63, SUBPART A) TO SUBPART NNN

General provisions citation	Requirement	Applies to subpart NNN	Explanation
63.1(a)(1)–(a)(4)	Applicability	Yes.	
63.1(a)(5) .....	.....	No	[Reserved].
63.1(a)(6)–(a)(8) .....	.....	Yes.	
63.1(a)(9) .....	.....	No	[Reserved].
63.1(a)(10)–(a)(14) .....	.....	Yes.	
63.1(b)(1)–(b)(3)	Initial Applicability Determination	Yes.	
63.1(c)(1)–(c)(2)	Applicability After Standard Established.	Yes.	
63.1(c)(3) .....	.....	No	[Reserved].
63.1(c)(4)–(c)(5) .....	.....	Yes.	
63.1(d) .....	.....	No	[Reserved].
63.1(e)	Applicability of Permit Program	Yes.	
63.2	Definitions	Yes	Additional definitions in § 63.1381.
63.3(a)–(c)	Units and Abbreviations	Yes.	
63.4(a)(1)–(a)(3)	Prohibited Activities	Yes.	
63.4(a)(4) .....	.....	No	[Reserved].
63.4(a)(5) .....	.....	Yes.	
63.4(b)–(c) .....	.....	Yes.	
63.5(a)(1)–(a)(2)	Construction/Reconstruction	Yes.	
63.5(b)(1)	Existing, New, Reconstructed	Yes.	
63.5(b)(2) .....	.....	No	[Reserved].
63.5(b)(3)–(b)(6) .....	.....	Yes.	
63.5(c)	No	[Reserved].
63.5(d)	Approval of Construction/Reconstruction.	Yes.	
63.5(e)	Yes.	

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General provisions citation	Requirement	Applies to subpart NNN	Explanation
63.5(f) .....	.....	Yes.	
63.6(a)	Compliance with Standards and Maintenance Requirements.	Yes.	
63.6(b)(1)–(b)(5) .....	.....	Yes.	
63.6(b)(6) .....	.....	No	[Reserved].
63.6(b)(7) .....	.....	Yes.	
63.6(c)(1)	Compliance Date for Existing Sources.	Yes	§ 63.1387 specifies compliance dates.
63.6(c)(2) .....	.....	Yes.	
63.6(c)(3)–(c)(4) .....	.....	No	[Reserved].
63.6(c)(5) .....	.....	Yes.	
63.6(d) .....	.....	No	[Reserved].
63.6(e)(1)–(e)(2)	Operation & Maintenance	Yes	§ 63.1383 specifies operations/maintenance plan.
63.6(e)(3)	Startup, Shutdown Malfunction Plan	Yes.	
63.6(f)(1)–(f)(3)	Compliance with Nonopacity Emission Standards.	Yes.	
63.6(g)(1)–(g)(3)	Alternative Nonopacity Standard	Yes.	
63.6(h)	Opacity/VE Standards	No	Subpart NNN-no COMS, VE or opacity standards.
63.6(i)(1)–(i)(14)	Extension of Compliance	Yes.	
63.6(i)(15) .....	.....	No	[Reserved].
63.6(i)(16) .....	.....	Yes.	
63.6(j)	Exemption from Compliance	Yes.	
63.7(a)	Performance Testing Requirements ..	Yes	§ 63.1384 has specific requirements.
63.7(b)	Notification	Yes.	
63.7(c)	Quality Assurance Program/Test Plan.	Yes.	
63.7(d)	Performance Testing Facilities	Yes.	
63.7(e)(1)–(e)(4)	Conduct of Performance Tests	Yes.	
63.7(f)	Alternative Test Method	Yes.	
63.7(g)	Data Analysis	Yes.	
63.7(h)	Waiver of Performance Tests	Yes.	
63.8(a)(1)–(a)(2)	Monitoring Requirements	Yes.	
63.8(a)(3) .....	.....	No	[Reserved].
63.8(a)(4) .....	.....	Yes.	
63.8(b)	Conduct of Monitoring	Yes.	
63.8(c)	CMS Operation/Maintenance	Yes.	
63.8(d)	Quality Control Program	Yes.	
63.8(e)	Performance Evaluation for CMS	Yes.	
63.8(f)	Alternative Monitoring Method	Yes.	
63.8(g)	Reduction of Monitoring Data	Yes.	
63.9(a)	Notification Requirements	Yes.	
63.9(b)	Initial Notifications	Yes.	
63.9(c)	Request for Compliance Extension ...	Yes.	
63.9(d)	New Source Notification for Special Compliance Requirements.	Yes.	
63.9(e)	Notification of Performance Test	Yes.	
63.9(f)	Notification of VE/Opacity Test	No	Opacity/VE tests not required.
63.9(g)	Additional CMS Notifications	Yes.	
63.9(h)(1)–(h)(3)	Notification of Compliance Status	Yes.	
63.9(h)(4) .....	.....	No	[Reserved].
63.9(h)(5)–(h)(6) .....	.....	Yes.	
63.9(i)	Adjustment of Deadlines	Yes.	
63.9(j)	Change in Previous Information	Yes.	
63.10(a)	Recordkeeping/Reporting	Yes.	
63.10(b)	General Requirements	Yes.	
63.10(c)(1)	Additional CMS Recordkeeping	Yes.	
63.10(c)(2)–(c)(4) .....	.....	No	[Reserved].
63.10(c)(5)–(c)(8) .....	.....	Yes.	
63.10(c)(9) .....	.....	No	[Reserved].
63.10(c)(10)–(15) .....	.....	Yes.	
63.10(d)(1)	General Reporting Requirements	Yes.	
63.10(d)(2)	Performance Test Results	Yes.	
63.10(d)(3)	Opacity or VE Observations	No	No limits for VE/opacity.
63.10(d)(4)	Progress Reports	Yes.	
63.10(d)(5)	Startup, Shutdown, Malfunction Reports.	Yes.	
63.10(e)(1)–(e)(3)	Additional CMS Reports	Yes.	
63.10(e)(4)	Reporting COM Data	No	COM not required.
63.10(f)	Waiver of Recordkeeping/Reporting ..	Yes.	
63.11(a)	Control Device Requirements	Yes.	

General provisions citation	Requirement	Applies to subpart NNN	Explanation
63.11(b)	Flares	No	Flares not applicable.
63.12	State Authority and Delegations	Yes.	
63.13	State/Regional Addresses	Yes.	
63.14	Incorporation by Reference	No.	
63.15	Availability of Information	Yes.	

APPENDIX A TO SUBPART NNN OF PART 63—METHOD FOR THE DETERMINATION OF LOI

1. Purpose

The purpose of this test is to determine the LOI of cured blanket insulation. The method is applicable to all cured board and blanket products.

2. Equipment

- 2.1 Scale sensitive to 0.1 gram.
- 2.2 Furnace designed to heat to at least 540 °C (1,000 °F) and controllable to ±10 °C (50 °F).
- 2.3 Wire tray for holding specimen while in furnace.

3. Procedure

3.1 Cut a strip along the entire width of the product that will weigh at least 10.0 grams. Sample should be free of dirt or foreign matter.

NOTE: Remove all facing from sample.

3.2 Cut the sample into pieces approximately 12 inches long, weigh to the nearest 0.1 gram and record. Place in wire tray. Sample should not be compressed or overhang on tray edges.

NOTE: On air duct products, remove shiplaps and overspray.

3.3 Place specimen in furnace at 540 °C (1,000 °F), ±10 °C (50 °F) for 15 to 20 minutes to insure complete oxidation. After ignition, fibers should be white and should not be fused together.

3.4 Remove specimen from the furnace and cool to room temperature.

3.5 Weigh cooled specimen and wire tray to the nearest 0.1 gram. Deduct the weight of the wire tray and then calculate the loss in weight as a percent of the original specimen weight.

APPENDIX B TO SUBPART NNN OF PART 63—FREE FORMALDEHYDE ANALYSIS OF INSULATION RESINS BY HYDROXYLAMINE HYDROCHLORIDE

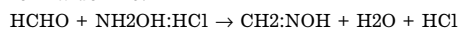
1. Scope

This method was specifically developed for water-soluble phenolic resins that have a relatively high free-formaldehyde (FF) content such as insulation resins. It may also be

suitable for other phenolic resins, especially those with a high FF content.

2. Principle

2.1 a. The basis for this method is the titration of the hydrochloric acid that is liberated when hydroxylamine hydrochloride reacts with formaldehyde to form formaloxime:



b. Free formaldehyde in phenolic resins is present as monomeric formaldehyde, hemiformals, polyoxymethylene hemiformals, and polyoxymethylene glycols. Monomeric formaldehyde and hemiformals react rapidly with hydroxylamine hydrochloride, but the polymeric forms of formaldehyde must hydrolyze to the monomeric state before they can react. The greater the concentration of free formaldehyde in a resin, the more of that formaldehyde will be in the polymeric form. The hydrolysis of these polymers is catalyzed by hydrogen ions.

2.2 The resin sample being analyzed must contain enough free formaldehyde so that the initial reaction with hydroxylamine hydrochloride will produce sufficient hydrogen ions to catalyze the depolymerization of the polymeric formaldehyde within the time limits of the test method. The sample should contain approximately 0.3 grams free formaldehyde to ensure complete reaction within 5 minutes.

3. Apparatus

- 3.1 Balance, readable to 0.01 g or better.
- 3.2 pH meter, standardized to pH 4.0 with pH 4.0 buffer and pH 7 with pH 7.0 buffer.
- 3.3 50-mL burette for 1.0 N sodium hydroxide.
- 3.4 Magnetic stirrer and stir bars.
- 3.5 250-mL beaker.
- 3.6 50-mL graduated cylinder.
- 3.7 100-mL graduated cylinder.
- 3.8 Timer.

4. Reagents

- 4.1 Standardized 1.0 N sodium hydroxide solution.
- 4.2 Hydroxylamine hydrochloride solution, 100 grams per liter, pH adjusted to 4.00.
- 4.3 Hydrochloric acid solution, 1.0 N and 0.1 N.
- 4.4 Sodium hydroxide solution, 0.1 N.